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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,035	09/30/2003	Ray Thomas Reid	03RE124/YOD REEL:0048	5397

7590 01/05/2007
Alexander M. Gerasimow
Allen-Bradley Company, LLC
1201 South Second Street
Milwaukee, WI 53204-2496

EXAMINER

SUHOL, DMITRY

ART UNIT	PAPER NUMBER
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3725

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/675,035	REID, RAY THOMAS	
	Examiner	Art Unit	
	Dmitry Suhol	3725	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 October 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 and 38-41 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 and 38-41 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>10/10/06</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 6, 15-16, 18-19, 38-41 are rejected under 35 U.S.C. 102(b) as being anticipated by Hill '735. Hill discloses a transfer tool and form assembly having all of the claimed elements including, a first, second and third coil support portions (members 86) configured to maintain a first, second and third bundles of coiled wire at a first, second and third heights (figure 10 and col. 7, lines 20-23), at least one partition member (pins 78,80,82). A vertical orientation with a height of a respective bundle being greater than the width is shown in figure 10, where it is seen that the height (a plurality of wires is greater than the width being a single wire since they are stacked up on one another). Kubota further discloses a first and second wire guides (upper and lower form portions of form 62 in figure 7) having a plurality of channels for receiving bundles of wire (surfaces of members 64 and 66) and arranging them in a stepped configuration (figure 7). Limitations of claim 19 are shown in figure 7, where it is considered that the form assembly is capable of being couplable to a rotating member through a variety of means including mounting through the openings shown in the base portion.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4-5, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hill '735. Coil support portions being made of plastic, as required by claim 4 and the coil support portions including an arcuate surface as required by claim 5 would have been obvious to one having ordinary skill in the art, at the time of the claimed invention, since the use of plastic materials is well known in the art for the purpose of cost and durability and since applicants make it clear at page 10, lines 23-24 that the coil support portion made be formed of any desired material. An arcuate surface would also have been obvious since Hill teaches that the upper portion of his members 86 maybe be specially shaped to support the wires, therefore taking an arcuate shape as one of a wire in order to cradle and provide a good pushing force would have been obvious.

Claims 7-14, 20-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hill '735 in view of Kubota et al '436. Kubota further discloses a first and second wire guides (upper and lower form portions of form 62 in figure 7) having a plurality of channels for receiving bundles of wire (surfaces of members 64 and 66) and arranging them in a stepped configuration (figure 7). A transfer tool (60) is shown in figures 7-10. Lacking any clear distinguishing features, a latching mechanism as required by claim 12

is read onto alignment pin 76 and slot 71. A receiving portion as required by claim 13 is shown as slot 72, 73 and 74 along with their respective insertion pins. Limitations of claim 14 are shown in figure 7, where it is considered that the form assembly is capable of being couplable to a rotating member through a variety of means including mounting through the openings shown in the base portion. A base and wall portions are as required by claim 23 are shown in figure 7.

Kubota is relied upon to teach that it is known to mount the wire guides (upper and lower form portions) on a frame (5, 8, 9) such that the wire guides are movable in order to facilitate the removal of the wire by the transfer tool. Therefore it would have been obvious to mount the upper and lower form portions of Hill on an adjustable frame for the purpose of facilitating the removal of the wire by the transfer tool.

An arcuate surface would have been obvious since Hill teaches that the upper portion of his members 86 maybe be specially shaped to support the wires, therefore taking an arcuate shape as one of a wire in order to cradle and provide a good pushing force would have been obvious.

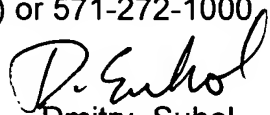
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dmitry Suhol whose telephone number is 571-272-4430. The examiner can normally be reached on Mon - Friday 8:30am-5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lowell Larson can be reached on (571) 272-4519. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Dmitry Suhol
Primary Examiner
Art Unit 3725

ds